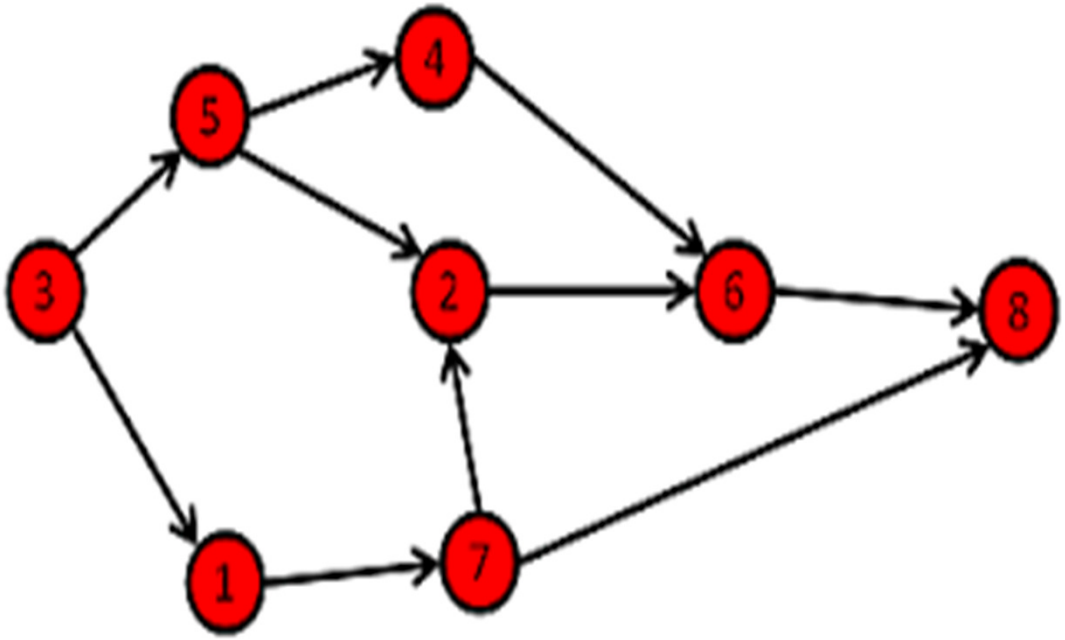
Example 2 …

- Consider the following Directed Graph:



Write Prolog facts to represent the above graph.

Example 2 …

Include rules to do the following:

1. Find out whether a path exists from a vertex S to a vertex D.
2. *Find out the length of the path from a vertex S to a vertex D.
3. Find out whether a cycle is present involving a given vertex V or not.
4. Find out whether a vertex is a source vertex or not.
5. Find out whether a vertex is a sink vertex or not.
6. Find out whether a vertex is an isolated vertex or not.